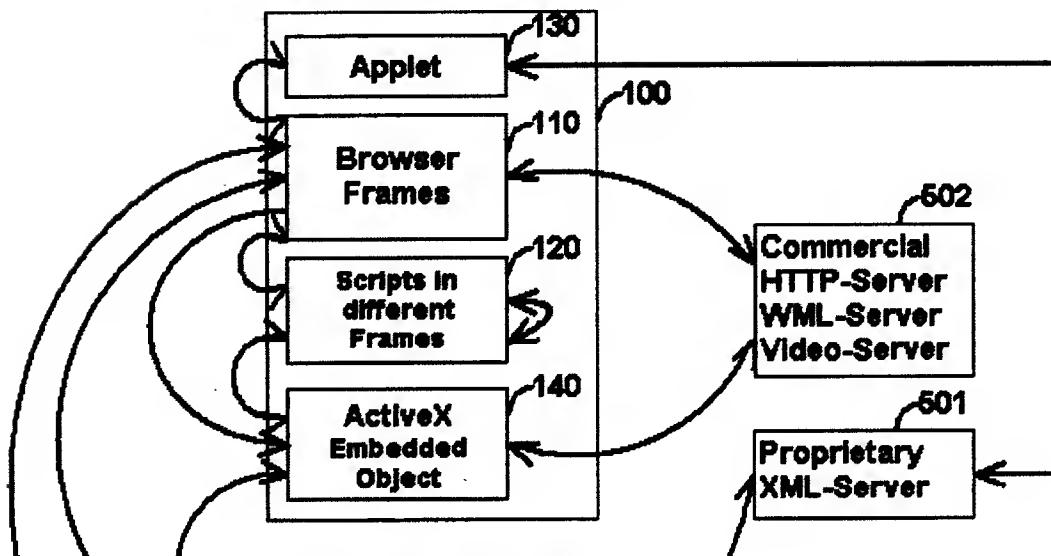
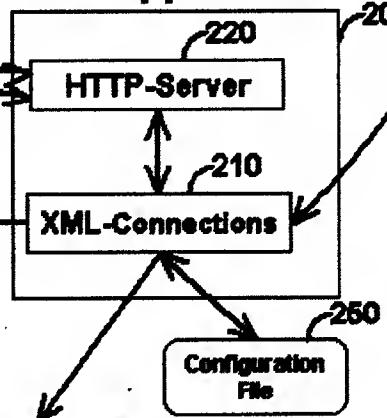


FIG. 1

Browser Environment



Client Application



Access to all
Desktop Applications and
resources through
JNI, COM, DDE, Execute

FIG. 2

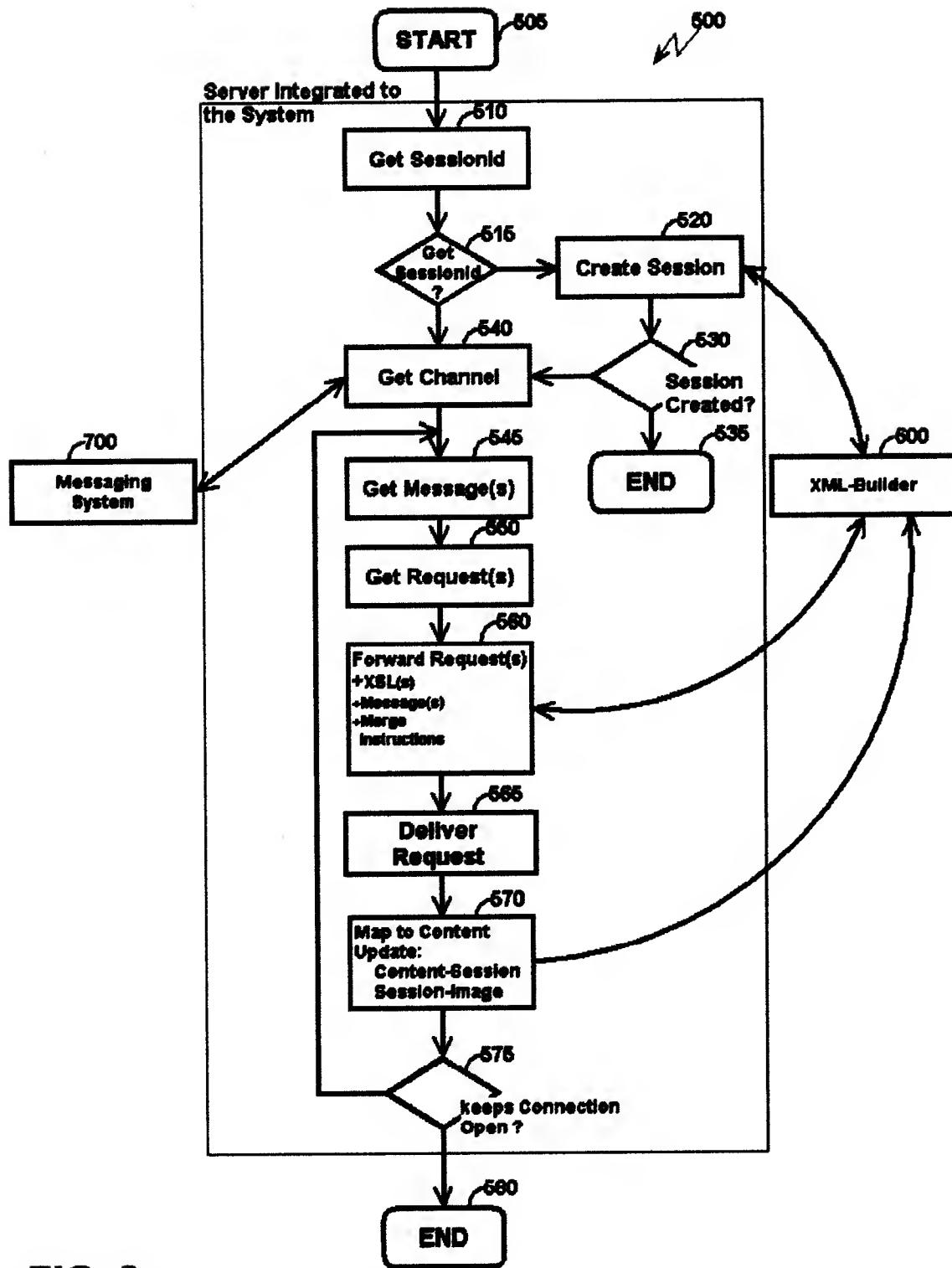
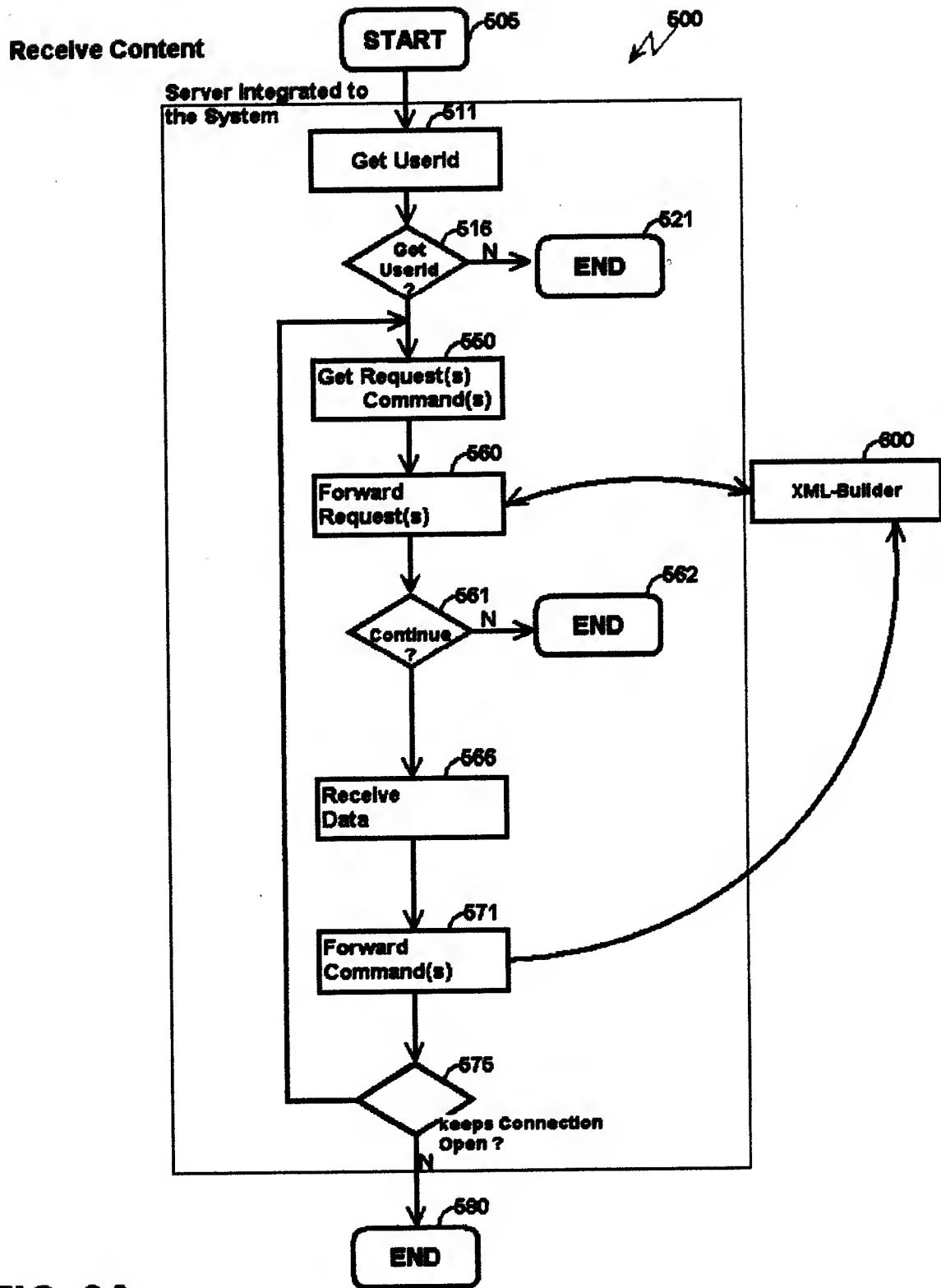


FIG. 3



XML-Bulider

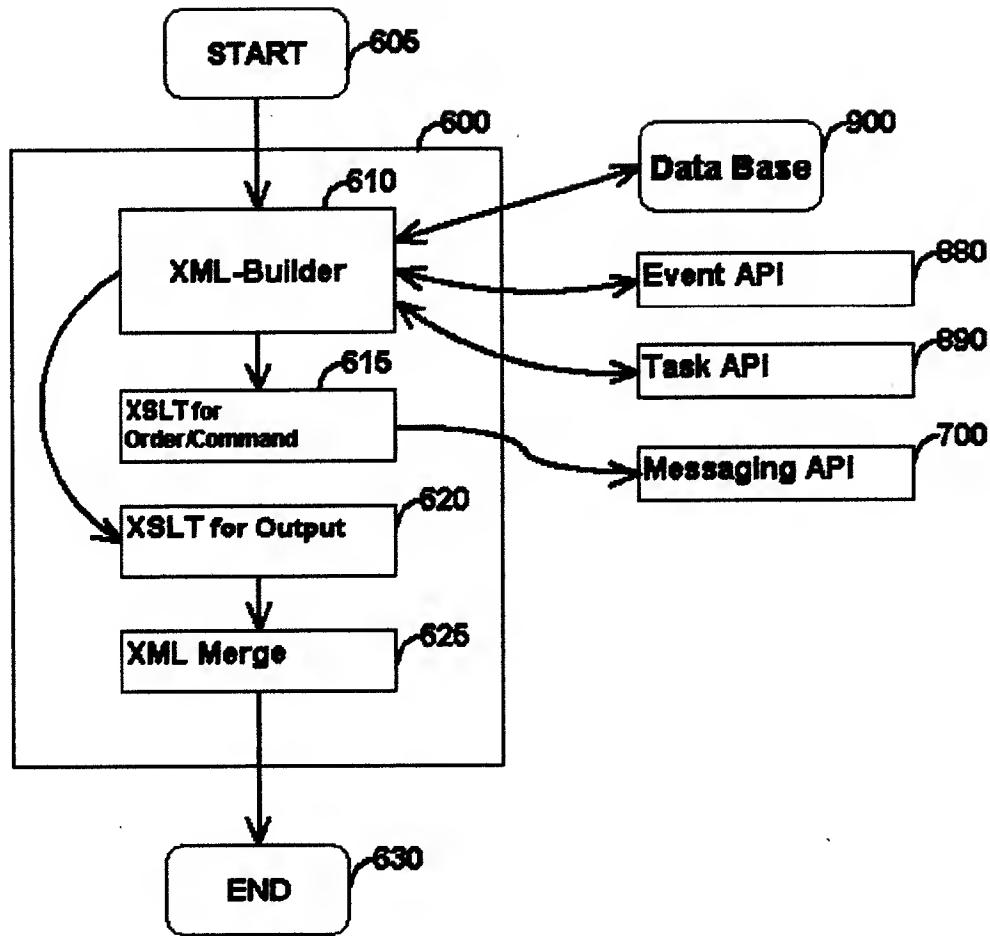


FIG. 4

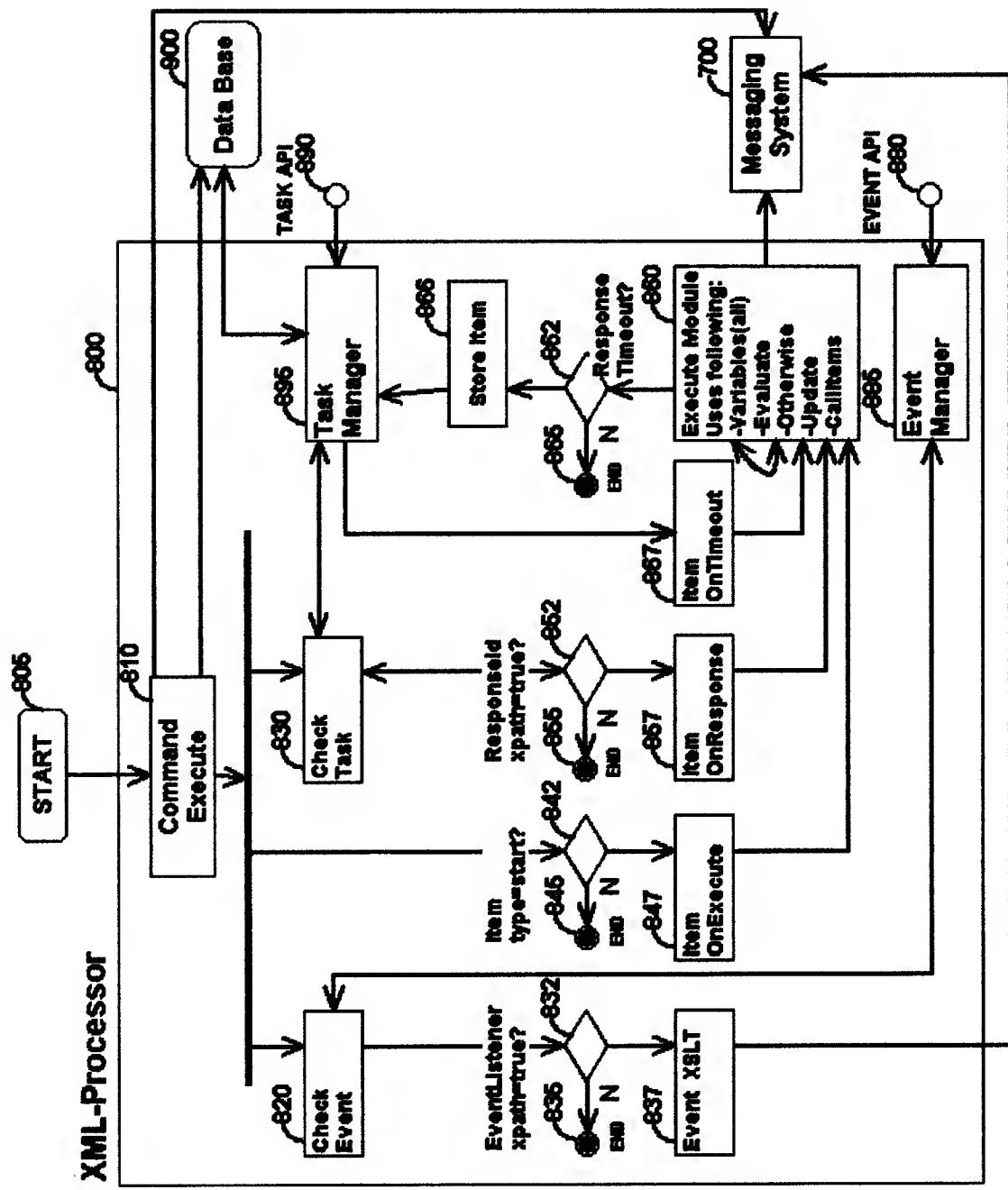


FIG. 5

```

<!ELEMENT xmlns:InfoData (xmlns:Command, xmlns:Params, xmlns:Items)>
<!ELEMENT xmlns:Command (#PCDATA)>
<!ELEMENT xmlns:Params (?)>
<!ELEMENT xmlns:Items (Listitem+)>
<!ELEMENT xmlns:Listitem (#PCDATA)>
<!ATTLIST xmlns:Listitem
  num CDATA #REQUIRED>
<!ELEMENT xmlns:Order (xmlns:Item+)>
<!ATTLIST xmlns:Order
  id CDATA #IMPLIED>
<!ELEMENT xmlns:Item (xmlns:Variables?, xmlns:VariablesResponse?, xmlns:SendTopic?, xmlns:SendTransform?,
  xmlns:ResponseId?, xmlns:ResponseTimeout?, xmlns:OnExecute?, xmlns:OnResponse?,
  xmlns:OnResponseTimeout?, ANY)>
<!ATTLIST xmlns:Item
  id CDATA #REQUIRED
  type (start,?)>
<!ELEMENT xmlns:Variables (xmlns:var?)>
<!ELEMENT xmlns:VariablesResponse (xmlns:var?)>
<!ELEMENT xmlns:var (#PCDATA)>
<!ATTLIST xmlns:var
  name CDATA #REQUIRED
  type (int,text,nodetext,node)>
<!ELEMENT xmlns:SendTopic (#PCDATA)>
<!ELEMENT xmlns:SendTransform (#PCDATA)>
<!ELEMENT xmlns:ResponseId (#PCDATA)>
<!ELEMENT xmlns:ResponseTimeout (#PCDATA)>
<!ELEMENT xmlns:OnExecute (((xmlns:Evaluate?)|(Evaluate,Otherwise?)),Update?,CallItems?)>
<!ELEMENT xmlns:OnResponse (((xmlns:Evaluate?)|(xmlns:Evaluate,xmlns:Otherwise?),
  xmlns:Update?, xmlns:CallItems?)>
<!ELEMENT xmlns:OnResponseTimeout (((xmlns:Evaluate?)|(xmlns:Evaluate,xmlns:Otherwise?),
  xmlns:Update?, xmlns:CallItems?)>
<!ELEMENT xmlns:Evaluate (#PCDATA,((xmlns:Evaluate?)|(xmlns:Evaluate,xmlns:Otherwise?),
  xmlns:Update?, xmlns:CallItems?)>
<!ATTLIST xmlns:Evaluate
  type(lt,eq,gt);
  var CDATA #REQUIRED>
<!ELEMENT xmlns:Otherwise (((xmlns:Evaluate?)|(xmlns:Evaluate,xmlns:Otherwise?),
  xmlns:Update?, xmlns:CallItems?)>
<!ELEMENT xmlns:CallItems (#PCDATA)>
<!ELEMENT xmlns:Update (#PCDATA)>
<!ATTLIST xmlns:Update
  var CDATA #REQUIRED
  type (Text,NodeText,Int)>

```

FIG. 6 DTD for Orders and Commands XML

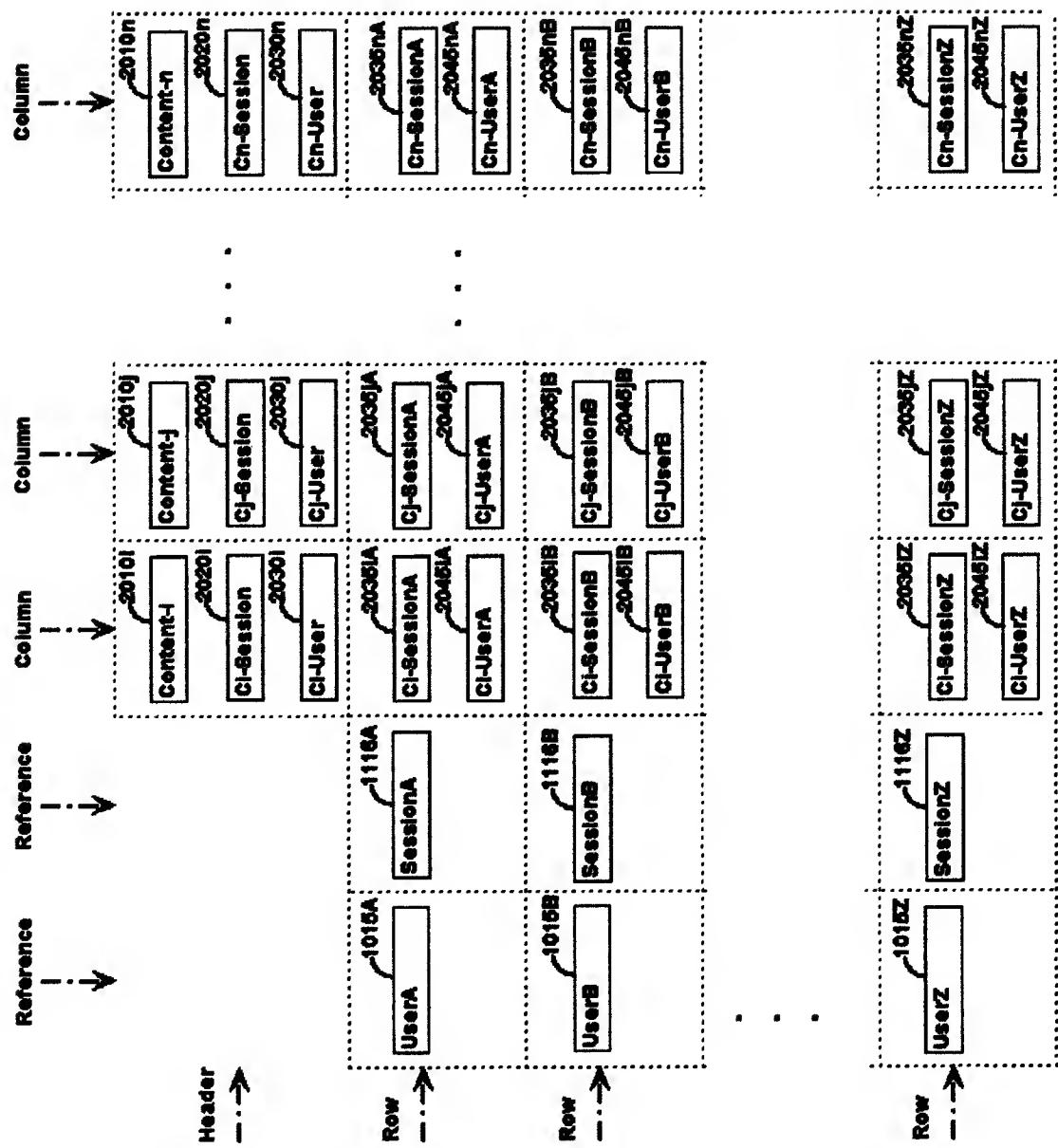


FIG. 7